ABSTRACT

A method of preparing unsaturated hydroxy fatty acids and esters thereof corresponding to general formula (Id):

$$R2$$
 O $R1$ $R1$

wherein n = 1 to 4, m = 2 to 16, $R_1 = OH$, Cl, Br, OR_3 in which R_3 is a straight or branched alkyl, alkenyl or alkynyl radical of 1 to 16 carbons or glycerol esters, optionally substituted by one or more atoms selected from the group consisting of carbon, nitrogen, sulfur and halogens, $R_2 = H$, $SiR'_1R'_2R'_3$ in which R'_1 , R'_2 and R'_3 can be identical or different from each other and are a straight or branched alkyl, alkenyl or alkynyl radical of 1 to 16 carbons or glycerol esters, optionally substituted by one or more atoms selected from the group consisting of carbon, nitrogen, sulfur and halogens, or $R_2 = C-Ar_3$ with Ar representing an aryl radical optionally substituted by one or more atoms selected from the group consisting of carbon, nitrogen, sulfur and halogens, or $R_2 = the$ tetrahydropyranyl of formula:



is disclosed.